

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application. Support for the claim amendments can be found, for example, at page 4, lines 18-28 of the specification.

Listing of Claims

Claim 1 (currently amended): A liquid spraying apparatus comprising a spray gun including;

a spray gun body provided with a trigger mechanism;

a spray head including a hollow body configured to releasably couple to a rear end of the spray head to the spray gun body, and an insert having an axial bore and configured to axially insert into the hollow body, wherein the combination of the hollow body and the insert define a spray nozzle at a front end of the spray head;

a liquid reservoir coupleable to the hollow body and the axial bore of the insert for supplying liquid to the spray nozzle in response to actuation of the trigger mechanism such that liquid from the reservoir is delivered to the spray nozzle through the spray head without passing through the spray gun body, wherein the liquid reservoir is disposable and can be discarded after use; and

air outlets arranged on opposite sides of the spray nozzle to provide air streams directed inwardly into liquid dispensed from the spray nozzle;

wherein an end of the hollow body and a front end of the spray gun body are provided with mateable formations that are engageable to secure the spray head to the spray gun body, the formations being releasable to detach the spray head from the spray gun body and a needle connected to the trigger mechanism, and the air outlets are provided on the spray head at the front end of the spray head body such that the air outlets and spray nozzle are connected to and disconnected from the spray gun body with the spray head.

Claim 2 (previously presented): Apparatus according to claim 1 wherein, the mateable formations form a bayonet type connection.

Claim 3 (previously presented): Apparatus according to claim 1 wherein, the spray head is connectable to a remote reservoir.

Claim 4 (previously presented): Apparatus according to claim 3 wherein, a flexible delivery line is provided between the reservoir and the spray head.

Claim 5 (previously presented): Apparatus according to claim 4 wherein, the delivery line includes a manually operable valve to close the delivery line when disconnected from the spray head.

Claim 6 (previously presented): Apparatus according to claim 1 wherein, the reservoir is mounted on the spray head.

Claim 7 (previously presented): Apparatus according to claim 6 wherein, a releasable connection is provided between the reservoir and the spray head such that the reservoir can be detached from the spray head.

Claim 8 (previously presented): Apparatus according to claim 7 wherein, the connection is a bayonet type connection.

Claim 9 (previously presented): Apparatus according to claim 1 wherein, the reservoir is reusable.

Claim 10 (canceled)

Claim 11 (previously presented): Apparatus according to claim 1 wherein, the reservoir is collapsible as liquid is withdrawn in use.

Claim 12 (previously presented): Apparatus according to claim 1 wherein, the spray nozzle is adapted to atomise the liquid to form a spray.

Claim 13 (previously presented): Apparatus according to claim 12 wherein the spray nozzle provides a stream of compressed air concentric with the liquid emerging from the spray nozzle.

Claim 14 (canceled)

Claim 15 (currently amended): A liquid spraying apparatus comprising a spray gun including:
a spray gun body provided with a trigger mechanism;

a spray head body releasably connected at a rear end to the spray gun body and further including a spray nozzle at a front end, a liquid reservoir connected to the spray head body for supplying liquid to the spray nozzle in response to actuation of the trigger mechanism such that liquid from the reservoir is delivered to the spray nozzle through the spray head body without passing through the spray gun body, wherein the liquid reservoir is disposable and can be discarded after use; and

air outlets arranged on opposite sides of the spray nozzle to provide air streams directed inwardly into liquid dispensed from the spray nozzle;

wherein the rear end of the spray head body and a front end of the spray gun body are provided with mateable formations that are engageable to secure the spray head body to the spray gun body, the formations being releasable to detach the spray head body from the spray gun body and a needle connected to the trigger mechanism, and the air outlets are provided on the spray head at the front end of the spray head body such that the air outlets and spray nozzle are connected to and disconnected from the spray gun body with the spray head body, the air outlets producing inwardly directed air streams are provided by a pair of horns projecting forwardly of an outlet for the liquid emerging from the spray nozzle and, the horns are detachable for adapting the spray nozzle for dispensing different liquids.

Claim 16 (previously presented): Apparatus according to claim 15 wherein, a set of interchangeable horns is provided for releasable connection to the spray head to change the atomisation parameters or spray pattern.

Claim 17 (previously presented): Apparatus according to claim 1 wherein, the needle of the trigger mechanism closes a bore through the spray head to prevent dispense of liquid from the spray nozzle and is retracted to open the bore when the trigger mechanism is actuated to allow dispense of liquid from the spray nozzle.

Claim 18 (previously presented): Apparatus according to claim 1 wherein, the spray gun is of the gravity feed, pressure feed or suction feed type.

Claim 19 (previously presented): Apparatus according to claim 1 wherein means is provided for adjusting one or more of the inwardly directed air streams to control the spray characteristics.

Claim 20 (currently amended): A spray head for use with a spray gun, the spray head comprising:

a hollow body and an insert configured to couple axially within the hollow body, the insert having a bore extending from a rear end of the insert to an outlet at a front end of the insert, the rear end of the hollow body having a formation to connect releasably the spray head to the spray gun, and the hollow body and the insert being connectable to a reservoir to supply liquid to the spray head, wherein the reservoir is disposable and can be discarded after use; and

wherein the formation is engageable with a mating formation on the spray gun to secure the spray head to the spray gun with a needle connected to a trigger mechanism on the spray gun received in the bore to control dispense of liquid from the outlet, and the spray head having a pair of air holes disposed adjacent to the outlet and arranged on opposite sides of the outlet to provide air streams directed inwardly into liquid dispensed from the outlet.